

# Massachusetts Compliance 1998 Puff by Puff "pH" Results

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## Puff# Benson and Hedges 100 Menthol - BH8M

	08/25/98	08/25/98	Average	Std. dev.
1	5.0	5.1	5.0	0.05
2	5.2	5.0	5.1	0.19
3	5.0	5.2	5.1	0.15
4	5.1	5.0	5.1	0.08
5	5.0	5.1	5.1	0.08
6	5.1	5.0	5.0	0.06
7	4.9	5.1	5.0	0.12
8	5.3	4.9	5.1	0.23
9	5.0	5.1	5.0	0.06
10	5.2	4.9	5.1	0.20
11	4.9	5.1	5.0	0.13
12	5.1	4.9	5.0	0.13
13	5.0	5.0	5.0	0.04

Average 5.0  
Std dev. 0.05

## Puff# Benson and Hedges Lights 100 Menthol - BL8M

	08/25/98	08/25/98	Average	Std. dev.
1	5.0	5.5	5.3	0.36
2	5.2	5.3	5.2	0.11
3	5.1	5.4	5.2	0.25
4	5.2	5.2	5.2	0.02
5	5.0	5.3	5.2	0.23
6	5.3	5.2	5.3	0.04
7	5.0	5.3	5.2	0.20
8	5.2	5.2	5.2	0.02
9	5.0	5.3	5.2	0.21
10	5.1	5.0	5.1	0.07
11	5.0	5.5	5.3	0.39
12	5.2	5.4	5.3	0.10
13	5.0	5.3	5.2	0.28

Average 5.2  
Std dev. 0.06

## Puff# Benson and Hedges Deluxe Ultra Lights 100 Box - BU8B

	08/26/98	08/26/98	Average	Std. dev.
1	5.3	5.3	5.3	0.01
2	5.5	5.1	5.3	0.28
3	5.2	5.6	5.4	0.28
4	5.2	5.3	5.3	0.07
5	5.3	5.2	5.3	0.10
6	5.0	5.2	5.1	0.13
7	5.2	5.0	5.1	0.14
8	5.1	5.1	5.1	0.04
9	5.6	5.1	5.3	0.39
10	5.1	5.1	5.1	0.00
11	5.3	5.1	5.2	0.14
12	5.2	5.1	5.1	0.07

Average 5.2  
Std dev. 0.11

## Puff# Merit 100 - ME8

	08/26/98	08/26/98	Average	Std. dev.
1	5.2	5.2	5.2	0.01
2	5.4	5.2	5.3	0.15
3	5.1	5.0	5.1	0.09
4	5.0	5.1	5.1	0.03
5	5.2	5.2	5.2	0.04
6	5.0	5.4	5.2	0.24
7	5.2	5.1	5.1	0.04
8	5.1	5.2	5.2	0.10
9	5.3	5.1	5.2	0.09
10	5.1	5.4	5.3	0.20
11	5.0	5.1	5.1	0.02
12	5.4	5.2	5.3	0.17
13	5.0	5.0	5.0	0.04

Average 5.2  
Std dev. 0.10

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Puff#	<u>Merit Ultra Lights 100 - MU8</u>			
	08/27/98	08/27/98	Average	Std. dev.
1	5.6	5.1	5.4	0.37
2	5.1	5.4	5.3	0.17
3	5.3	5.1	5.2	0.12
4	5.1	5.2	5.1	0.07
5	5.2	5.1	5.2	0.01
6	4.9	5.4	5.1	0.32
7	5.2	5.0	5.1	0.11
8	5.1	5.2	5.2	0.05
9	5.2	5.1	5.2	0.06
10	5.1	5.2	5.1	0.10
11	5.1	5.0	5.0	0.12
12	5.0	5.1	5.1	0.11
13	5.1	5.2	5.2	0.03

Average 5.2  
Std dev. 0.08

Puff#	<u>Merit Ultima 100 - MEU8</u>			
	08/27/98	08/27/98	Average	Std. dev.
1	5.3	5.3	5.3	0.02
2	5.2	5.5	5.3	0.22
3	5.5	5.1	5.3	0.30
4	5.1	5.5	5.3	0.27
5	5.3	5.1	5.2	0.12
6	5.2	5.3	5.2	0.07
7	5.2	5.2	5.2	0.02
8	5.0	5.3	5.2	0.17
9	5.3	5.0	5.2	0.17

Average 5.2  
Std dev. 0.08

Puff#	<u>Virginia Slims 100 - VA8</u>			
	08/28/98	08/28/98	Average	Std. dev.
1	5.3	5.2	5.2	0.02
2	5.1	5.2	5.2	0.04
3	5.2	5.1	5.1	0.06
4	5.0	5.3	5.1	0.19
5	5.5	5.2	5.3	0.23
6	4.9	5.3	5.1	0.28
7	5.2	4.9	5.1	0.21
8	5.1	5.2	5.1	0.09
9	5.2	5.1	5.1	0.13
10	5.0	5.1	5.1	0.07
11	5.2	5.0	5.1	0.13
12	5.4	5.4	5.4	0.02

Average 5.2  
Std dev. 0.10

Puff#	<u>Virginia Slims Lights 100 Box - VG8B</u>			
	08/31/98	08/31/98	Average	Std. dev.
1	5.2	5.2	5.2	0.04
2	5.2	5.0	5.1	0.13
3	5.3	5.0	5.2	0.21
4	5.1	4.9	5.0	0.18
5	5.4	5.1	5.2	0.19
6	5.4	5.1	5.3	0.19
7	5.3	5.1	5.2	0.16
8	5.4	5.2	5.3	0.15
9	5.4	5.1	5.3	0.24
10	5.4	5.3	5.4	0.05
11	5.4	5.2	5.3	0.15
12	5.4	5.1	5.2	0.21

Average 5.2  
Std dev. 0.09

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Puff#	<u>Virginia Slims Ultra Lights 100 Box - VI8B</u>			
	09/01/98	09/01/98	Average	Std. dev.
1	5.3	5.0	5.2	0.24
2	5.3	5.2	5.2	0.05
3	5.2	5.2	5.2	0.00
4	5.2	5.2	5.2	0.01
5	5.2	5.2	5.2	0.01
6	5.2	5.1	5.1	0.12
7	5.1	5.2	5.2	0.08
8	5.1	5.1	5.1	0.02
9	5.0	5.2	5.1	0.14
10	5.1	5.1	5.1	0.01
11	5.1	5.1	5.1	0.02
12	5.1	5.1	5.1	0.05
13	5.1	5.1	5.1	0.03

Average 5.2  
Std dev. 0.05

Puff#	<u>Parliament Lights KSF Box - PR4B</u>			
	09/01/98	09/01/98	Average	Std. dev.
1	5.0	4.9	5.0	0.07
2	5.1	5.1	5.1	0.01
3	5.2	5.2	5.2	0.00
4	5.0	5.1	5.1	0.06
5	5.2	5.1	5.2	0.09
6	5.2	5.1	5.1	0.04
7	5.2	5.0	5.1	0.10
8	5.1	5.2	5.2	0.05
9	5.2	5.2	5.2	0.03

Average 5.1  
Std dev. 0.07